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17 September 1957

MEMORANDUM FOR: Chief, Technical Services-Staff

SUBJECT : Request for Additional work under Task Order 26

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1. Description of the Project

Under Task Order 26, Contract RD-88 [redacted] has investigated the parameters of [redacted] type lined cavity charges. The work is intended to result in the formulation of one or more designs of charges for operational use.

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2. Purpose of the Project

To date no satisfactory, easily fabricated lined cavity charge has been developed as an effective antitank weapon. The U.S. Army Ord. Corps has had under development for several years the T-29 antitank mine. This mine employs the [redacted] principle of projecting a relatively heavy slug of metal through the underside of a tank. Since the [redacted] type of lined cavity charge lends itself more towards improvisation than conventional conical shaped charges, it offers possibilities of fulfilling Agency requirements not only as an antitank weapon but also as a general sabotage device. While the T-29 mine is a relatively complex piece of equipment, it is believed that the basic principles involved can be maintained in a Agency weapon of much less complex design.

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The contractor because of change in location and increased costs has not been able to provide a suitable design of charge, and will not be able to complete the work as originally scheduled with funds presently allocated. It is therefore recommended that additional funds be authorized for the completion of this work.

3. Recommended Contractor

Because of the presence of personnel familiar with this type of work as well as with Agency requirements in the field of demolition equipment, the contractor recommends for this project is [redacted]

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4. Support Requirements

There are no support requirements foreseen at this time.

5. Total Costs

The total cost anticipated for this work is \$38,290.00 for a period of 12 additional months.

6. Security Information

[Redacted]

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7. Project Engineer

The project engineer for this work is [Redacted], Room 210,
Westout, extension [Redacted].

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[Redacted]

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Chief
TSS/Engineering Division

DD/P/TSS/ED [Redacted] dm

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Distribution:

Orig & ED-184D when ret'd from C/TSS

1 - Lined Cavity Charge

1 - ED Chrono

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